

**Amendments To The Specification**

Please amend the specification at follows:

Please replace the paragraph appearing at page 1, lines 6-14 with the following amended paragraph:

The present invention relates to fluorinated polyethers having low optical propagation loss, small optical birefringence, and a precious refractive index controllability, as well as a method of preparing the fluorinated polyethers and a use of the fluorinated polyethers for the fabrication of core and cladding layers of waveguide type optical devices, such as a thermo-optic switch, an optical splitter, a variable optical attenuator, a polarization splitter, tunable and fixed wavelength filters and arrayed waveguide gratings, etc.

Please replace the paragraph appearing at page 3, lines 15-18 with the following amended paragraph:

To achieve the above objects, the present invention provides fluorinated polyesters polyethers having flexible aliphatic fluorinated alkyl and ethylene oxide groups at their main chain structure, as represented by the following formula (1):